NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Warm Up: Review of 2.1 to 2.3

**Tell whether the following is a relation or function. Then give its Domain and Range.**

1) {(0,4), (0, -4), (2, 8), (2, -3), (4, 4), (4, -1)} 2) {(5,6), (-4, 4), (-3,2), (0, 1), (3, -2)}

**Find the slope using the following 2 points. Also tell whether it rises or falls.**

3) (-9, 8) and (-9, 2) 4) (-10, -12) and (2, -6) 5)

**Decide whether the function is linear or non-linear. Then evaluate at the given value of x. SHOW WORK!**

6) f(x) = 3x – 8; f(-3) 7) y = 3x2 – 5x – 6 ; x = -4 8) g(x) = ; g(6)

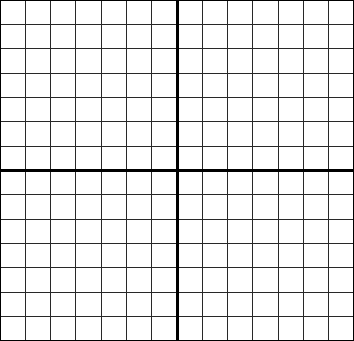
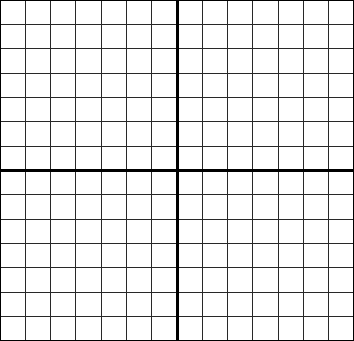
**Find the intercepts and the slope of each given equation.**

9) y = -x – 5 10) 2x + y = 8 11) y = -3

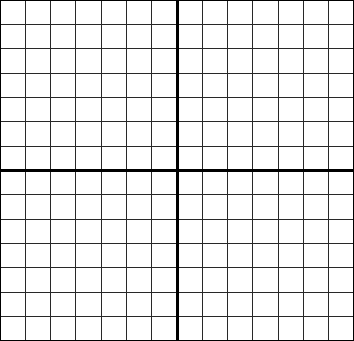
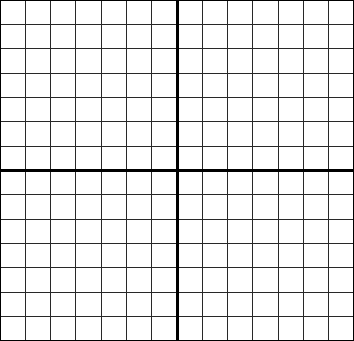
12) x = 6 13) y = x – 14) 5x – 2y = 30

**Graph the following equations below. GIVE THE SLOPE FOR EACH ONE**

15) f(x) = 16) -6x – 3y = 18



17) x = -5 18) g(x) = 6



19) y = -9x 20) 10x + 8y = 40

